

 ExPASy Home page	Site Map	Search ExPASy	Contact us	ENZYME
Hosted by NCSC US Mirror sites: Canada China Korea Switzerland Taiwan				
Search <input type="text" value="Swiss-Prot/TrEMBL"/>		<input type="button" value="Go"/>	<input type="button" value="Clear"/>	

NiceZyme View of ENZYME: EC 2.6.1.42


Official Name	
Branched-chain amino acid aminotransferase.	
Alternative Name(s)	
Transaminase B.	
Reaction catalysed	
L-leucine + 2-oxoglutarate <=> 4-methyl-2-oxopentanoate + L-glutamate	
Cofactor(s)	
Pyridoxal-phosphate.	
Comments	
<ul style="list-style-type: none"> Also acts on L-isoleucine and L-valine. Different from EC <u>2.6.1.66</u>. 	
Cross-references	
Biochemical Pathways; map number(s)	<u>B9</u> , <u>B10</u>
PROSITE	<u>PDOC00618</u>
BRENDA	<u>2.6.1.42</u>
EMP/PUMA	<u>2.6.1.42</u>
WIT	<u>2.6.1.42</u>
KYOTO UNIVERSITY LIGAND CHEMICAL DATABASE	<u>2.6.1.42</u>
IUBMB Enzyme Nomenclature	<u>2.6.1.42</u>
MEDLINE	<u>Find literature relating to 2.6.1.42</u>
Swiss-Prot	Q93Y32, BCA1_ARATH; O14370, BCA1_SCHPO; P38891, BCA1_YEAST; Q9M439, BCA2_ARATH; P47176, BCA2_YEAST; Q9M401, BCA3_ARATH; Q9FYA6, BCA5_ARATH; Q9LPM9, BCA6_ARATH; O15382, BCAM_HUMAN; O35855, BCAM_MOUSE; O19098, BCAM_PIG; O35854, BCAM_RAT; P54688, BCAT_CAEEL; P54687, BCAT_HUMAN; P24288, BCAT_MOUSE; P54690, BCAT_RAT; O67733, ILVE_AQUAE; O29329, ILVE_ARCFU; P39576, ILVE_BACSU; P00510, ILVE_ECOLI; P54689, ILVE_HAEIN; Q9ZJF1, ILVE_HELPJ; O26004, ILVE_HELPY; Q58414, ILVE_METJA; O27481, ILVE_METTH; O32954, ILVE_MYCLE; Q10399, ILVE_MYCTU; O86428, ILVE_PSEAE; Q92I26, ILVE_RICCN; O05970, ILVE_RICPR; P15168, ILVE_SALTY; O86505, ILVE_STRCO; P54691, ILVE_SYNY3;

P74921, ILVE_THEMA; O31461, YBGE_BACSU; _____

[View entry in original ENZYME format](#)

If you would like to retrieve all the Swiss-Prot entries referenced in this entry, click [here](#).

[ExPASy Home page](#)[Site Map](#)[Search ExPASy](#)[Contact us](#)[ENZYME](#)[Hosted by NCSC US](#)[Mirror sites:](#)[Canada](#)[China](#)[Korea](#)[Switzerland](#)[Taiwan](#)


 ExPASy Home page	Site Map	Search ExPASy	Contact us	ENZYME
Search	<input type="text" value="Swiss-Prot/TrEMBL"/>	<input type="button" value="▼"/>	for <input type="text"/>	<input type="button" value="Go"/> <input type="button" value="Clear"/>


Search in ENZYME for: branched chain aminotransferase

Release 31, May 2003, and updates up to 26-May-2003

Please choose one of the following entries:

2.6.1.42 Branched-chain amino acid aminotransferase.
(AN: Transaminase B.)

 ExPASy Home page	Site Map	Search ExPASy	Contact us	ENZYME
--	--------------------------	-------------------------------	----------------------------	------------------------


 ExPASy Home page	Site Map	Search ExPASy	Contact us	ENZYME
Search	<input type="text" value="Swiss-Prot/TrEMBL"/>	<input type="button" value="▼"/>	for <input type="text"/>	<input type="button" value="Go"/> <input type="button" value="Clear"/>

Search in ENZYME for: aspartate transaminase

Release 31, May 2003, and updates up to 26-May-2003

Please choose one of the following entries:

- 2.6.1.1 Aspartate aminotransferase.
 (AN: Transaminase A.
 Glutamic--oxaloacetic transaminase.
 Glutamic--aspartic transaminase.)
- 2.6.1.21 D-alanine aminotransferase.
 (AN: D-aspartate aminotransferase.
 D-amino acid aminotransferase.
 D-amino acid transaminase.)

 ExPASy Home page	Site Map	Search ExPASy	Contact us	ENZYME
--	--------------------------	-------------------------------	----------------------------	------------------------